

N-Sea is an integrated total subsea solutions provider in Survey, IRM & Construction, Subsea Cable Repair & Installation, and UXO ID & Disposal.

We deliver total solutions for subsea infrastructures and assets that meet the needs of our clients and the international oil, gas- and renewable industries, considering a safe environment.

We have the ambition to be the go-to total subsea solutions provider. We want to create a sustainable business and increase our profitability through solid project management and full client awareness.

To realise this ambition we develop our organisation to the level of best in class being fully synchronised with our ambition and strategy by contributing to the following key success factors constantly:

- Qualified and engaged people
- Long term client relationships
- Strategic partnerships
- Innovative solutions
- Safety and quality 100%
- Visible presence
- Full control over marine assets

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**WE LISTEN
THEN DELIVER**

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WINTERSHALL - L6B UMBILICAL REPAIR REPAIR L6B UMBILICAL

PROJECT

Wintershall Noordzee B.V. operates the 8-inch gas export pipeline from the L6-B platform to the L8-P4 platform in the Dutch part of the North Sea. The pipeline has a length of 19.2 km and produces wet gas.

In February 2022 a major power loss was observed onboard L6-B resulting in an immediate shutdown of the L6-B unmanned platform. Several investigations pointed into the direction of a damaged Hybrid control umbilical, approximately half way the umbilical length, 37-42meter water depth in the exposed Dutch North Sea.

The Wintershall Noordzee B.V. awarded N-Sea Offshore B.V. to the repair and replace the damaged section of L6-B umbilical with company-provided spare umbilical and joints.

FEATURES

Client Wintershall Noordzee B.V.

Location Dutch North Sea

Period Augustus - September 2022

Assets NP459 with 2 AHT
Cable Lay and Jointing Spread
Panther Plus ROV
Mass flow excavator
CTV
Survey Vessel - MBES + Mag

Extra Water depth 40-42m

SCOPE OF WORK

- Fast track engineering of the most suitable time to conduct a repair
- Lead interface with various parties involved in the repair and jointing process
- Mobilise the barge NP459 as main repair asset, as well as all required AHT
- Collection three subsea joints and load the spare umbilical from storage reel in Den Helder
- De-bury Umbilical in preparation for cutting and jointing
- Cut-out and removal of damaged umbilical section, to utilise the same umbilical lay route
- Inline Joint installation and installation of the replacement umbilical section with the repair barge:
 - Super Duplex welding
 - Hydraulic lines
 - Power cables
 - Fiber Optics, termination
 - In-line and onboard testing of the Hybrid control umbilical components
- Omega Joint installation with Jointing Barge
- Re-bury the umbilical using MFE
- Perform as-built survey of umbilical



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